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ABSTRACT

In fall 1993, a study was conducted at the Community College of Philadelphia (CCP) to examine characteristics and outcomes for 264 former students who had transferred to State System of Higher Education (SSHE) universities between 1988 and 1993. The SSHE universities provided data regarding student major, credits transferred, current enrollment status, cumulative grade point average (GPA), gender, race, and age. In addition, CCP collected information from its institutional database on CCP graduation status, number of semesters enrolled at CCP, and cumulative credits earned. Study findings included the following: (1) in general, the SSHE universities did not attract large numbers of CCP transfers, with the exception of West Chester and Cheney which enrolled 98 and 91 CCP students, respectively; (2) while roughly as many females as males transferred, females were underrepresented in the transfer group when compared to their college-wide enrollment; (3) students between 18 and 25 years of age were more likely to transfer than older students; (4) 52.4% of the students were white, while 44.8% were Black; (5) an average of 62 credits were transferred; (6) 48.9% earned a 2.0 to 2.99 GPA at the transfer university, while 26.5% earned a GPA between 3.0 and 4.0; (7) in general, students met with slightly more academic success at CCP than at the transfer university; (8) 37.1% earned either an associate degree or certificate prior to transfer; and (9) the most common programs of study at SSHE universities were education, business, and social science programs. Data tables are included. (KP)

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CCP

A Profile of CCP Transfers to State System Higher Education Universities - 1988 to 1993 -

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Institutional Research
Report # 74
Jane Grosset
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Introduction

In Fall 1993, the Office of Institutional Research at CCP received information from the State System of Higher Education (SSHE) about former CCP students who transferred to SSHE universities between 1988 and 1993. The 14 universities that comprise the SSHE and the number of former CCP students who transferred to each university are reported in Table 1 in the Appendix. During the studied time period, 271 former CCP students were identified as SSHE transfers. Most transferred to either West Chester (36.2%) or Cheyney (33.6%).

Considering the relatively high rate of transfer that has been documented in a number of institutional research reports that preceded this one, it is clear that most CCP transfers choose to attend non-SSHE universities. Geographic proximity is the likely explanation for this occurrence. It was reported in a 1970 statewide study that 51% of Pennsylvania community college transfers enrolled in a university located within an 18 mile radius of the community college they attended. At that time, an added 21% transferred to colleges within an 18 to 50 mile radius. While these figures are nearly 25 years old, it appears that geographic proximity continues to be an important consideration for CCP transfers. With the exception of West Chester and Cheyney, most of the SSHE universities are not located near Philadelphia, and this is reflected in the enrollment figures in Table 1. Figure 1 is a map of PA on which the location of SSHE universities is shown.

THE STATE SYSTEM OF HIGHER EDUCATION

1. BLOOMSBURG UNIVERSITY OF PENNSYLVANIA
2. CALIFORNIA UNIVERSITY OF PENNSYLVANIA
3. CHEYNEY UNIVERSITY OF PENNSYLVANIA
4. CLARION UNIVERSITY OF PENNSYLVANIA
5. EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA
6. EDINBORO UNIVERSITY OF PENNSYLVANIA
7. INDIANA UNIVERSITY OF PENNSYLVANIA
8. KUTZTOWN UNIVERSITY OF PENNSYLVANIA
9. LOCK HAVEN UNIVERSITY OF PENNSYLVANIA
10. MANSFIELD UNIVERSITY OF PENNSYLVANIA
11. MILLERSVILLE UNIVERSITY OF PENNSYLVANIA
12. SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA
13. SLIPPERY ROCK UNIVERSITY OF PENNSYLVANIA
14. WEST CHESTER UNIVERSITY OF PENNSYLVANIA

Each SSHE university provided the following information about CCP transfer students:

- Major
- Credits transferred from CCP and other colleges attended by the student
- Full-time/part-time enrollment status
- Cumulative GPA
- Gender
- Race
- Age

The following CCP-related information was added from the institutional data base for each identified student:

- CCP graduation status
- # of semesters enrolled at CCP
- # of cumulative credits earned at CCP

In this report, information has been provided only for those universities that enrolled at least six former CCP students over the studied time period. This criterion excluded four universities from subsequent analyses and resulted in a sample of 264 students.

Readers who are interested in transfer-related information should read IR Report #75 which analyzes SSHE transfer outcome information from a different perspective than the present study. In Report # 75, CCP transfers to the SSHE are compared with community college transfers from across the State. Interested readers should contact the

Institutional Research Office for a copy of this other report.

Gender

Overall, males and females were equally likely to be transfers to the SSHE, although gender proportions differed across universities (Table 2). The schools that enrolled a greater percentage of males included Indiana University of PA, Millersville, Shippensburg and Kutztown. Larger percentages of females transferred to Mansfield, East Stroudsburg, Bloomsburg, Cheyney and Lockhaven.

Compared with the gender profile of College-wide enrollments between 1988 and 1993, which was approximately two-thirds female and one-third male, it is apparant that females are disproportionately underrepresented among transfers to SSHE universities.

Age

Younger students were more likely to transfer into the SSHE than were older students (Table 3). Sixty-eight percent (68%) of student transfers to SSHE universities were between 18 and 25 years of age at the time of transfer. The remaining students fell into the following age groups: 18.2% were between 26 and 30 years; 8.7% were aged 18 to 40; and 4.9% were over the age of 40 when they transferred.

Compared with the age profile of recent College-wide enrollments, it appears as though younger CCP students were

more likely to be SSHE transfers than were older students. The College-wide age distribution for the Fall 1991 term was as follows: 42.1% were under 25 years; 15.6% were 25 to 29 years; 233.2% were aged 30 to 39; and 19.1% were over the age of 39.

There was some variation in age across SSHE universities. Lockhaven, Mansfield and Millersville attracted younger students; all transfers to these schools were between 18 and 25 years old. All transfer students to East Stroudsburg, Indiana University and Kutztown were between 26 and 30 years old. Cheyney transfer enrollments were characterized by greatest age diversity. Enrollments at West Chester and Bloomsburg also exhibited greater age diversity than was typical of the other SSHE universities.

Race

CCP transfers into the SSHE universities were slightly more likely to be white (52.4%) than black (44.8%). Small numbers of Hispanic and Asian students were identified as transfers (Table 4). Hispanic and Asian students were underrepresented among SSHE transfers. The proportions of Asians and Hispanics among College-wide enrollments are considerably larger than their proportions among the transfers.

Cheyney and Lockhaven transfer enrollments were characterized as racially homogeneous; all transfers to Lockhaven were white and nearly all transfers to Cheyney were

black. The most ethnically diverse CCP transfer enrollments were at Bloomsburg.

Credits Transferred

Overall, former CCP students transferred an average of 62 credits into the SSHE. It should be noted that the credits in Table 5 include credits transferred from all prior colleges. Consequently, if a student earned credits at a college in addition to CCP, prior to transferring to the SSHE university, these credits would be reflected in the values reported in Table 5. Former CCP students who transferred the largest number of credits enrolled at Bloomsburg, West Chester, Lockhaven, East Stroudsburg, Millersville and Shippensburg. Fewest credits were transferred into Mansfield, Indiana and Kutztown.

GPA Earned at Transfer University

Table 6 contains the cumulative GPAs earned at the SSHE universities included in this study. Overall, nearly half (48.9%) of the former CCP students earned a GPA between 2.0 and 2.99. The remaining students were fairly evenly split into those who earned GPAs between 3.0 and 4.0 (26.5%) and between 0 and 1.99 (24.6%). This information is consistent with student performance that has been gathered from non-SSHE universities. For example, between 75% and 80% of CCP transfers to Temple and LaSalle earned respectable GPAs (2.0 to 4.0).

Students enrolled at Bloomsburg outperformed transfers at the other SSHE universities. All of the eight students at Bloomsburg earned a GPA between 3.0 and 4.0. Student academic performance at Mansfield also exceeded the norm. On the other hand, students enrolled at Kutztown and Lockhaven experienced greatest academic difficulty as measured by GPA. Students at Cheyney and West Chester, who comprise most of the student transfers to the SSHE, performed equally well in terms of GPA.

GPA Earned at CCP

CCP cumulative GPA information, which appears in Table 7, indicates that students met with slightly more academic success at CCP than at the transfer university. Students who transferred to Millersville and Bloomsburg earned highest GPAs at CCP while students who transferred to Cheyney and East Stroudsburg earned lowest GPAs.

Table 8 contains correlation coefficients associated with GPAs at CCP and the SSHE university. Intuitively, a large positive coefficient would be expected since this would indicate that better academic performance at CCP was statistically associated with better academic performance at the transfer school. This was true for transfers to Kutztown and Lockhaven and, to a lesser extent, for transfers to East Stroudsburg, Cheyney, and West Chester. There was virtually no association between student academic performance at CCP and Bloomsburg or Mansfield. The most troubling coefficients

in Table 8 are those associated with Shippensburg and Millersville which indicate that students who earned highest GPAs at CCP, earned lowest GPAs at these two SSHE universities.

CCP Retention

Tables 9 and 10 contain CCP persistence measures. Table 9 contains mean values for the number of semesters students were enrolled at CCP and cumulative CCP credits earned prior to transfer. The third column in Table 9 contains the average number of credits per semester. Overall, transfers to the SSHE were enrolled an average of 6 semesters at CCP and completed an average 43.7 CCP credits prior to transfer. Students who transferred to Bloomsburg and West Chester typically were enrolled at CCP for more semesters than CCP students who transferred elsewhere. Students who transferred to Mansfield were at CCP for the least number of semesters.

Students who transferred to Bloomsburg, West Chester and Lockhaven earned the largest number of CCP credits prior to transferring while transfers to Mansfield earned fewest credits. Dividing the average cumulative credits earned by the average number of enrolled semesters gives an approximation of the average semester credit load while at CCP. Based on this calculation, transfers to Lockhaven, Indiana University of PA., and East Stroudsburg enrolled in heavier semester course loads while they were at CCP than other transfers. Students at Cheyney typically took the

lightest semester credit load while enrolled at CCP.

Table 10 contains CCP graduation information. Overall, 37.1% of SSHE transfers earned either an associates degree (34%) or certificate (3.1%) from CCP prior to transfer. Transfers to Bloomsburg and West Chester were most likely to have been CCP graduates while no CCP graduates were included among the transfers to Kutztown, Mansfield or Shippensburg.

Program of Study

Programs of study at SSHE universities appear in Tables 11A thru 11J. In general, students enrolled in a wide variety of programs at the transfer universities. Since it is easiest to observe patterns at the universities with larger numbers of transfers, program enrollments at Cheyney and West Chester will be highlighted.

Elementary Teacher Education was the most popular Cheyney program (19.8%) for CCP transfers (Table 11B). Other Cheyney education-related curricula that attracted former CCP students included Pre-Elementary Early Childhood Education (7.7%) and Special Education (3.3%). 16.5% of CCP transfers to Cheyney enrolled in the Business Administration and Management program. Other business-related enrollments included: Hotel, Motel and Restaurant Mgnt. (7.7%), Taxation (7.7%) and Accounting (2.2%). The Social Science, General program had an enrollment of 13.2%. Small numbers of former CCP students enrolled in Psychology and Political Science and Government at Cheyney.

The same program enrollment patterns were evident in the West Chester distribution (Table 11J). Elementary Teacher Education attracted the largest percentage (15.3%) of CCP transfers and a sizeable percentage of enrollments in other education-related programs such as Music Teacher Education (5.1%), Pre-Elementary Early Childhood Education (4.1%), Special Education (3.1%), Social Studies Teacher Education (3.1%), and Health and Physical Education (1.0%). Business Administration and Management enrollments accounted for 11.2% of CCP student transfers and Accounting had an enrollment of 9.2%. Psychology and Criminal Justice Studies each accounted for 6.1% of West Chester program enrollments and Political Science and Government had 2.0% of enrollments.

For the remaining SSHE universities, it was generally true that students enrolled in education, business and social science programs.

Summary

SSHE universities, with the exception of West Chester and Cheyney, have not attracted large numbers of CCP transfers students. This is likely because of the distance of most SSHE universities from Philadelphia and the consequent inconvenience of attendance for students interested in commuter rather than residential arrangements.

Transfers to the SSHE are somewhat atypical of the CCP student body. SSHE transfers tended to by younger, more likely to be male, and less likely to be either Asian or

Hispanic than were College-wide enrollments.

Based on cumulative GPA, approximately three-quarters of CCP transfers to the SSHE met with academic success at the SSHE university they attended. It appears as though CCP transfers experienced some level of transfer shock since GPAs at the transfer university were, on average, lower than GPAs earned at CCP. There was also an inconsistent relationship between student academic performance at CCP and performance at some of the transfer universities. Students who earned high GPAs at CCP were not always the most likely transfers to earn high GPAs at the SSHE university.

Prior to transfer, students in this study persisted at CCP for a fairly long time. Slightly more than one-third of the transfers were CCP graduates and the average transfer earned 44 CCP credits prior to departure.

For the most part, the most popular programs of study at SSHE universities were in three areas: 1) education, 2) business and 3) social science programs.

APPENDIX

Table 1

CCP Tranfers to
State System Universities
1988 - 1993

University	#	%
Blocmsburg	8	3.0
California Univ. of PA.	2	0.7
Cheyney	91	33.6
Clarion Univ. of PA.	1	0.4
East Stroudsburg	18	6.6
Edinboro	1	0.4
Indiana Univ. of PA.	7	2.6
Kutztown	7	2.6
Lockhaven	9	3.3
Mansfield	6	2.2
Millersville	12	4.4
Shippensburg	8	3.0
Slippery Rock	3	1.1
West Chester	98	36.2
Total	271	100.0

Table 2

Gender of CCP Transfers to State System Universities

Gender

University	Male #	Male (%)	Female #	Female (%)
Bloomsburg	3	(37.5)	5	(62.5)
Cheyney	37	(40.7)	54	(59.3)
East Stroudsburg	6	(33.3)	12	(66.7)
Indiana Univ. of PA.	5	(71.4)	2	(28.6)
Kutztown	4	(57.1)	3	(42.9)
Lockhaven	4	(44.4)	5	(55.6)
Mansfield	2	(33.3)	4	(66.7)
Millersville	8	(66.7)	4	(33.3)
Shippensburg	5	(62.5)	3	(37.5)
West Chester	47	(48.0)	51	(52.0)
Total	121	(49.6)	143	(50.4)

Table 3

Age at Transfer to
State System Universities

University	Age 18 to 25 #	(%)	26 to 30 #	(%)	31 to 40 #	(%)	41 + #	(%)
Bloomsburg	4	(50.0)	2	(25.0)	2	(25.0)	0	
Cheyney	64	(70.3)	6	(6.6)	11	(12.1)	10	(11.0)
East Stroudsburg	0		18	(100.0)	0		0	
Indiana Univ. of PA.	0		7	(100.0)	0		0	
Kutztown	0		7	(100.0)	0		0	
Lockhaven	9	(100.0)	0		0		0	
Mansfield	6	(100.0)	0		0		0	
Millersville	10	(83.3)	1	(8.3)	1	(8.3)	0	
Shippensburg	8	(100.0)	0		0		0	
West Chester	79	(80.6)	7	(7.1)	9	(9.2)	3	(3.1)
Total	180	(68.1)	48	(18.2)	23	(8.7)	13	(4.9)

Table 4

Race of CCP Transfers to State System Universities

University	Race							
	Black		Asian		Hispanic		White	
	#	(%)	#	(%)	#	(%)	#	(%)
Bloomsburg	2	(25.0)	2	(25.0)	1	(12.5)	3	(37.5)
Cheyney	90	(98.9)	0		1	(1.1)	0	
East Strodsburg	6	(33.3)	0		0		12	(66.7)
Indiana Univ. of PA.	2	(28.6)	0		0		5	(71.4)
Kutztown	2	(28.6)	0		0		5	(71.4)
Lockhaven	0		0		0		9	(100.0)
Mansfield	4	(66.7)	0		0		2	(33.3)
Millersville	4	(33.3)	0		0		8	(66.7)
Shippensburg	1	(12.5)	0		2	(25.0)	5	(62.5)
West Chester	16	(16.3)	1	(1.0)	0		81	(82.7)
Total	111	(44.8)	3	(1.2)	4	(1.6)	130	(52.4)

Table 5

Total Credits Transferred To State System Universities

Credits Transfered *

University	Mean	Median
Bloomsburg	85.9	93.0
Cheyney	50.4	52.0
East Stroudsburg	68.4	71.0
Indiana Univ. of PA.	24.7	15.0
Kutztown	31.0	30.0
Lockhaven	71.8	71.0
Mansfield	16.5	15.5
Millers-ville	67.1	67.5
Shippens-burg	67.1	56.5
West Chester	76.7	71.5

*Includes credits from all previously attended colleges

Table 6

Cumulative GPA Earned at State System Universities

University	GPA 0 - 1.99 #	(%)	2.0 - 2.99 #	(%)	3.0 - 4.0 #	(%)
Bloomsburg	0		0		8	(100.0)
Cheyney	20	(22.0)	46	(50.5)	25	(27.5)
East Stroudsburg	6	(33.3)	8	(44.4)	4	(22.2)
Indiana Univ. of PA.	2	(28.6)	3	(42.9)	2	(28.6)
Kutztown	4	(57.1)	2	(28.6)	1	(14.3)
Lockhaven	4	(44.4)	4	(44.4)	1	(11.1)
Mansfield	1	(16.7)	2	(33.3)	3	(50.0)
Millersville	4	(33.3)	7	(58.3)	1	(8.3)
Shippensburg	3	(37.5)	4	(50.0)	1	(12.5)
West Chester	21	(21.4)	53	(54.1)	24	(24.5)
Total	65	(24.6)	129	(48.9)	70	(26.5)

Table 7

Cumulative GPA Earned at CCP by Students Who Transferred to State System Universities

University	GPA 0 - 1.99 #	(%)	2.0 - 2.99 #	(%)	3.0 - 4.0 #	(%)
Bloomsburg	0		3	(37.5)	5	(62.5)
Cheyney	25	(27.5)	55	(60.4)	11	(12.1)
East Stroudsburg	5	(27.8)	9	(50.0)	4	(22.2)
Indiana Univ. of PA.	0		4	(57.1)	2	(28.6)
Kutztown	1	(14.3)	5	(71.4)	1	(14.3)
Lockhaven	0		5	(55.6)	4	(44.4)
Mansfield	0		4	(66.7)	2	(33.3)
Millersville	0		3	(25.0)	9	(75.0)
Shippensburg	1	(12.5)	3	(37.5)	4	(50.0)
West Chester	0		48	(49.0)	50	(51.0)
Total	32	(12.2)	139	(55.9)	92	(31.9)

Table 8

Correlations Between CCP GPA and State System University GPA

University	Correlation Coefficient	# of Students
Bloomsburg	.000	8
Cheyney	.383	91
East Stroudsburg	.484	18
Indiana Univ. of PA.	-.282	7
Kutztown	.887	7
Lockhaven	.743	9
Mansfield	.031	6
Millersville	-.672	12
Shippensburg	-.811	8
West Chester	.359	98

Table 9

CCP Retention Measures of Tranfers to State System Universities

Persistence Measure

University	# Semesters Enrolled at CCP	Cumulative Hours Earned at CCP	Semester Credit Load
	Mean	Mean	Mean
Bloomsburg	8.13	59.80	7.36
Cheyney	6.44	37.15	5.77
East Stroudsburg	3.39	30.33	8.95
Indiana Univ. of PA.	3.33	30.33	9.11
Kutztown	3.71	30.14	8.12
Lockhaven	5.67	53.44	9.43
Mansfield	2.67	20.33	7.61
Millersville	5.0	40.75	8.15
Shippensburg	3.62	29.37	8.11
West Chester	6.83	55.78	8.17

Table 10

CCP Graduation Status of Transfers to State System Universities

Degree Status

University	Associate #	Associate (%)	Certificate #	Certificate (%)	Non-Graduate #	Non-Graduate (%)
Bloomsburg	5	(62.5)	0		3	(37.5)
Cheyney	28	(30.8)	2	(2.2)	61	(67.0)
East Stroudsburg	3	(16.7)	0		15	(83.3)
Indiana Univ. of PA.	1	(14.3)	0		6	(85.7)
Kutztown	0		0		7	(100.0)
Lockhaven	3	(33.3)	0		6	(66.7)
Mansfield	0		0		6	(100.0)
Millersville	4	(33.3)	0		0	(66.7)
Shippensburg	0		0		8	(100.0)
West Chester	43	(53.9)	6	(6.1)	49	(50.0)
Total	87	(34.0)	8	(3.1)	161	(62.9)

Table 11A
CCP Transfer Students
Program of Study at Bloomsburg University

Program	#	%
Computer and Information Sciences	2	25.0
Elementary Teacher Education	2	25.0
General Studies	2	25.0
Mass Communications	1	12.5
Sign Language Interpreter	1	12.5
Total	8	

Table 11B
CCP Transfer Students
Program of Study at Cheyney

Program	#	%
Accounting	2	2.2
Biology, General	3	3.3
Biological and Physical Sciences	1	1.1
Business Administration & Mgnt, Gen.	15	16.5
Chemistry, General	1	1.1
Communications	3	3.3
Computer and Information Sciences	1	1.1
Elementary Teacher Education	18	19.8
General Studies	7	7.7
Hotel, Motel & Restaurant Mgnt.	7	7.7
Mathematics	3	3.3
Parks, Recreation Mgnt.	3	3.3
Political Science and Government	1	1.1
Pre-Elementary Early Childhood Ed.	7	7.7
Psychology, General	1	1.1
Social Science, General	12	13.2
Special Education, General	3	3.3
Taxation	2	2.2
Unknown	1	1.1
Total	91	

Table 11C
CCP Transfer Students
Program of Study at East Stroudsburg

Program	#	%
Biology, General	4	22.2
Business Administration	1	5.6
Drama Theater, Arts	1	5.6
Economics, General	2	11.1
General Studies	3	3.1
Mathematics	1	5.6
Physical Education	3	16.7
Pre-Elementary Early	1	5.6
Psychology, General	1	5.5
Radio & Television	1	5.6
Total	18	

Table 11D
CCP Transfer Students
Program of Study at Indiana Univ. of PA

Program	#	%
Communications	2	28.6
Criminology	2	28.6
General Studies	1	14.3
Psychology, General	1	14.3
Unknown	1	14.3
Total	7	

Table 11E
CCP Transfer Students
Program of Study at Kutztown

Program	#	%
Art, General	1	14.3
General Studies	2	28.6
Mathematics	1	14.3
Oceanography	1	14.3
Social Studies, Teacher Education	1	14.3
Sociology	1	14.3
Total	7	

Table 11F
CCP Transfer Students
Program of Study at Lockhaven

Program	#	%
General Studies	2	22.2
Management Science	2	22.2
Pre-Elementary Early Childhood Ed.	3	33.3
Psychology, General	1	11.1
Special Education, General	1	11.1
Total	9	

Table 11G
CCP Transfer Students
Program of Study at Mansfield

Program	#	%
Business Administration & Mgnt, Gen.	2	33.3
English Language & Literature	2	33.3
Spanish Language & Literature	2	33.3
Total	6	

Table 11H
CCP Transfer Students
Program of Study at Millersville

Program	#	%
Art, General	1	8.3
Biology, General	1	8.3
Business Administration & Mgnt, Gen.	1	8.3
Chemistry	1	8.3
English Language & Literature	1	8.3
French Language & Literature	1	8.3
General Studies	1	8.3
Social Studies Teacher Education	1	8.3
Social Work	2	16.7
Technology Teacher Education	1	8.3
Unknown	1	8.3
Total	12	

Table 11I
CCP Transfer Students
Program of Study at Shippensburg

Program	#	%
Business MKT & MKT	1	12.5
Chemistry, General	1	12.5
English Language & Literature	1	12.5
Multi-Interdisciplinary Studies	1	12.5
Psychology, General	3	37.5
Unknown	1	12.5
Total	8	

Table 11J

CCP Transfer Students
Program of Study at West Chester

Program	#	%
Accounting	9	9.2
Biology, General	4	4.1
Business Administration & Mgnt, Gen.	11	11.2
Chemistry, General	1	1.0
Criminal Justice Studies	6	6.1
Dental Hygienist	4	4.1
Drama Theater Arts, General	2	2.0
Earth and Planetary Sciences	2	2.0
Elementary Teacher Education	15	15.3
English Language & Literature	2	2.0
General Studies	5	5.1
Health and Physical Education	1	1.0
Liberal Arts and Science	2	2.0
Mathematics	2	2.0
Music-Gen. Performance	1	1.0
Music Teacher Education	5	5.1
Nursing	3	3.1
Political Science and Government	2	2.0
Pre-Elementary Early Childhood Ed.	4	4.1
Psychology, General	6	6.1
Respiratory Therapy	2	2.0
Social Studies Teacher Education	3	3.1
Special Education, General	3	3.1
Speech and Rhetorical Studies	1	1.0
Toxicology	2	2.0
Total	98	